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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/829,549A

DATE: 07/24/2001

TIME: 10:26:58

Input Set : A:\Umo152-1.txt

Output Set: N:\CRF3\07242001\I829549A.raw

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0590
7/31

3 <110> APPLICANT: The Curators of the University of Missouri
 5 <120> TITLE OF INVENTION: PHAGE DISPLAY SELECTION OF ANTI FUNGAL PEPTIDES
 7 <130> FILE REFERENCE: UMO 1521.1
 9 <140> CURRENT APPLICATION NUMBER: US' 09/829,549A
 10 <141> CURRENT FILING DATE: 2001-04-10
 12 <150> PRIOR APPLICATION NUMBER: US 60/195,785
 13 <151> PRIOR FILING DATE: 2000-04-10
 15 <160> NUMBER OF SEQ ID NOS: 48
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 33
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Type 88 filamentous bacteriophage
 24 <220> FEATURE:
 25 <221> NAME/KEY: VARIANT
 26 <222> LOCATION: (9)..(23)
 27 <223> OTHER INFORMATION: x=any amino acid encoded by the codon NNK
 30 <400> SEQUENCE: 1
 32 Leu Val Pro Met Leu Ser Phe Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 33 1 5 10 15
 35 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Ala Glu Gly Asp Asp Pro Ala Lys
 36 20 25 30
 38 Ala
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 20
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (1)..(20)
 49 <223> OTHER INFORMATION: Primer
 52 <400> SEQUENCE: 2
 53 ggagccttta attgtatcgg
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 19
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <221> NAME/KEY: misc_feature
 63 <222> LOCATION: (1)..(19)
 64 <223> OTHER INFORMATION: Primer
 67 <400> SEQUENCE: 3
 68 agtagcagaa gcctgaaga
 71 <210> SEQ ID NO: 4
 72 <211> LENGTH: 9
 73 <212> TYPE: PRT
 74 <213> ORGANISM: Artificial Sequence

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76 <220> FEATURE:
77 <221> NAME/KEY: DOMAIN
78 <222> LOCATION: (1)..(9)
79 <223> OTHER INFORMATION: Random peptide insert
82 <400> SEQUENCE: 4
84 Ala Ala Pro Asp Leu Gln Asp Ala Met
85 1 5
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 9
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <221> NAME/KEY: DOMAIN
94 <222> LOCATION: (1)..(9)
95 <223> OTHER INFORMATION: Random peptide insert
98 <400> SEQUENCE: 5
100 Ala Asp Arg Leu Asn Ser Asp Ala Gly
101 1 5
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 9
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <221> NAME/KEY: DOMAIN
110 <222> LOCATION: (1)..(9)
111 <223> OTHER INFORMATION: Random peptide insert
114 <400> SEQUENCE: 6
116 Ala Asp Arg Pro Ser Thr Thr Ser Leu
117 1 5
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <221> NAME/KEY: DOMAIN
126 <222> LOCATION: (1)..(9)
127 <223> OTHER INFORMATION: Random peptide insert
130 <400> SEQUENCE: 7
132 Ala Asp Pro Pro Arg Thr Val Ser Thr
133 1 5
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <221> NAME/KEY: DOMAIN
142 <222> LOCATION: (1)..(9)
143 <223> OTHER INFORMATION: Random peptide insert
146 <400> SEQUENCE: 8

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Input Set : A:\Umo152-1.txt

Output Set: N:\CRF3\07242001\I829549A.raw

148 Ala Asp Arg Pro Ser Met Ser Pro Thr
149 1 5
151 <210> SEQ ID NO: 9
152 <211> LENGTH: 9
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <221> NAME/KEY: DOMAIN
158 <222> LOCATION: (1)..(9)
159 <223> OTHER INFORMATION: Random peptide insert
162 <400> SEQUENCE: 9
164 Ala Asp Arg Thr Ser Asn Ala Ser Thr
165 1 5
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 9
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <221> NAME/KEY: DOMAIN
174 <222> LOCATION: (1)..(9)
175 <223> OTHER INFORMATION: Random peptide insert
178 <400> SEQUENCE: 10
180 Ala Asp Lys Ser Tyr Ile Pro Ser Ser
181 1 5
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <221> NAME/KEY: DOMAIN
190 <222> LOCATION: (1)..(9)
191 <223> OTHER INFORMATION: Random peptide insert
194 <400> SEQUENCE: 11
196 Ala Val Arg Asn Pro Ser His His Ser
197 1 5
199 <210> SEQ ID NO: 12
200 <211> LENGTH: 9
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <221> NAME/KEY: DOMAIN
206 <222> LOCATION: (1)..(9)
207 <223> OTHER INFORMATION: Random peptide insert
210 <400> SEQUENCE: 12
212 Ala Asp Pro Thr Pro Arg Gly His Ser
213 1 5
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 9
217 <212> TYPE: PRT

RAW SEQUENCE LISTING

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Input Set : A:\Umol52-1.txt

Output Set: N:\CRF3\07242001\I829549A.raw

218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <221> NAME/KEY: DOMAIN
222 <222> LOCATION: (1)..(9)
223 <223> OTHER INFORMATION: Random peptide insert
226 <400> SEQUENCE: 13
228 Ala Asp Pro Thr Arg Gln Pro His Ser
229 1 5
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 9
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <221> NAME/KEY: DOMAIN
238 <222> LOCATION: (1)..(9)
239 <223> OTHER INFORMATION: Random peptide insert
242 <400> SEQUENCE: 14
244 Ala Glu His Gln Asn Ser Ala Gly Pro
245 1 5
247 <210> SEQ ID NO: 15
248 <211> LENGTH: 10
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <221> NAME/KEY: DOMAIN
254 <222> LOCATION: (1)..(10)
255 <223> OTHER INFORMATION: Random peptide insert
258 <400> SEQUENCE: 15
260 Ala Asp Ala Arg Ser Ala Gly Ala Ile Ser
261 1 5 10
263 <210> SEQ ID NO: 16
264 <211> LENGTH: 9
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <221> NAME/KEY: DOMAIN
270 <222> LOCATION: (1)..(9)
271 <223> OTHER INFORMATION: Random peptide insert
274 <400> SEQUENCE: 16
276 Ala Asp Ser Lys Asn Ala Gly Pro Met
277 1 5
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 9
281 <212> TYPE: PRT
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <221> NAME/KEY: DOMAIN
286 <222> LOCATION: (1)..(9)
287 <223> OTHER INFORMATION: Random peptide insert

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Input Set : A:\Umol52-1.txt

Output Set: N:\CRF3\07242001\I829549A.raw

290 <400> SEQUENCE: 17
292 Ala Glu Thr Lys Phe Ser Gly Ser Ala
293 1 5
295 <210> SEQ ID NO: 18
296 <211> LENGTH: 9
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <221> NAME/KEY: DOMAIN
302 <222> LOCATION: (1)..(9)
303 <223> OTHER INFORMATION: Random peptide insert
306 <400> SEQUENCE: 18
308 Ala Asp Pro Lys Gly Ser Gly Val Thr
309 1 5
311 <210> SEQ ID NO: 19
312 <211> LENGTH: 9
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <221> NAME/KEY: DOMAIN
318 <222> LOCATION: (1)..(9)
319 <223> OTHER INFORMATION: Random peptide insert
322 <400> SEQUENCE: 19
324 Ala Gly Leu Thr Ser Pro Asn Asp Met
325 1 5
327 <210> SEQ ID NO: 20
328 <211> LENGTH: 9
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <221> NAME/KEY: DOMAIN
334 <222> LOCATION: (1)..(9)
335 <223> OTHER INFORMATION: Random peptide insert
338 <400> SEQUENCE: 20
340 Ala Asp Ile Thr Asp Pro Met Gly Ala
341 1 5
343 <210> SEQ ID NO: 21
344 <211> LENGTH: 9
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <221> NAME/KEY: DOMAIN
350 <222> LOCATION: (1)..(9)
351 <223> OTHER INFORMATION: Random peptide insert
354 <400> SEQUENCE: 21
356 Ala Val Gly Thr His Thr Pro Asp Ser
357 1 5
359 <210> SEQ ID NO: 22
360 <211> LENGTH: 9

→ Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\Umol52-1.txt

Output Set: N:\CRF3\07242001\I829549A.raw

L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41